



Department of  
Toxic Substances  
Control

*The Mission of the  
Department of  
Toxic Substances  
Control is to  
provide the highest  
level of safety, and  
to protect public  
health and the  
environment from  
toxic harm.*



State of California



California  
Environmental  
Protection Agency

Fact Sheet, November 2008

## Draft Cleanup Plan for New Roseland Area Elementary School Site Is Available For Review

A draft cleanup plan to remove lead contaminated soil and to address elevated levels of polycyclic aromatic hydrocarbons (PAHs) in Roseland Creek at the New Roseland Area Elementary School Site (also referred to as Site in this fact sheet) is available for public review and comment. The draft cleanup plan, called a draft Removal Action Workplan (RAW), was submitted to the Department of Toxic Substances Control (DTSC) by the Roseland School District (District) for the property located at 1683 Burbank Avenue, Santa Rosa (Site maps on pages 3 & 5).



*Above is an image of one of the wood-framed buildings on the Site.*

DTSC is a part of the California Environmental Protection Agency. DTSC oversees soil and groundwater investigations at proposed new or expanding school sites, and evaluates property for potential hazardous materials or contamination that may pose a risk to students, staff or faculty. If contamination is found, DTSC oversees the cleanup of the property.

### PUBLIC COMMENT PERIOD

We encourage you to review and comment on the draft RAW for the New Roseland Area Elementary School Site. DTSC will hold a 30-day public comment period beginning **November 3, 2008 and ending December 5, 2008**. DTSC will make a final decision on the draft RAW after all public comments have been reviewed and considered. Please submit written comments by December 5, 2008. E-mail comments must be received no later than 5:00 pm on December 5, 2008. Please submit written comments to:

Mr. Neal Hutchison  
DTSC Project Manager  
Brownfields and Environmental Cleanup Program  
8800 Cal Center Drive  
Sacramento, California 95826  
or by email to [HHutchis@dtsc.ca.gov](mailto:HHutchis@dtsc.ca.gov)

For information about public participation and community involvement, please contact Ms. Chao Thao, DTSC Public Participation Specialist at (916) 255-3649 or toll-free at (866) 495-5651 or by e-mail to [CThao@dtsc.ca.gov](mailto:CThao@dtsc.ca.gov).

A public meeting will be considered if a request identifying the issues to be raised is made to Ms. Chao Thao by November 14, 2008.



## Why Cleanup is Necessary

There is no immediate health risk because the public is not currently exposed to the lead or PAH contaminated soil. Moreover, the PAHs do not pose a risk to human health based on the proposed use of the Site as a school. However, because potential exposure to elevated levels of lead and PAHs could cause adverse health effects, DTSC recommended that the District prepare a cleanup plan to address the soil and creek contamination to protect the future occupants, students and staff who will attend the new school. DTSC will oversee the cleanup that will take place prior to construction of the new school and will ensure that the cleanup is performed in a manner that does not harm people or the environment.

## Site History and Location

The New Roseland Area Elementary School Site is approximately 11.38 acres. The Site has one wood-framed residence and several out buildings associated with the residence. The buildings are vacant and the rest of the property is currently unused. Roseland Creek cuts across the property diagonally from east to west. Historically, the property was used for agricultural purposes.

The New Roseland Area Elementary School Site is located in an area with a mix of residential housing and agricultural properties. The Site is bounded to the north by residential housing and Hughes Avenue; to the east by Burbank Avenue, undeveloped land, and residential housing; to the south by undeveloped land and residential housing; and to the west by Comalli Street and a residential neighborhood.

Habitat for the California Tiger Salamander exists on the Site. Site investigations done in 2004 and 2005 determined that while the creek area within the Site provides potential habitat for the California Tiger Salamanders on the Site, no salamanders were identified during the investigations and the Site is not considered a breeding habitat. The presence of a breeding habitat was identified within 0.75 miles of the Site.

## Investigation Findings

During preliminary environmental investigations, elevated levels of lead were found in shallow soil around the building structures on the Site. The suspected source of lead contamination is from lead-based paint on the structures. Elevated levels of PAHs were also found in shallow sediments within Roseland Creek at the location where the creek flows under Roseland Avenue. PAHs are chemicals that are formed during the incomplete burning of coal, oil and gas, garbage, or other organic substances like tobacco or charbroiled meat. PAHs are usually found as a mixture containing two or more of these compounds, such as soot or waste oil. The suspected source of PAHs in the creek is from road runoff from Burbank Avenue.

## Draft Removal Action Workplan (RAW)

The primary objective of a draft RAW is to evaluate cleanup alternatives and to identify a preferred alternative that prevents or reduces potential risk to public health and the environment. A draft RAW summarizes previous studies and identifies the possible cleanup alternatives. Cleanup alternatives are screened and evaluated on the basis of their effectiveness, ability to implement, and cost. A draft RAW identifies the alternative DTSC recommends and believes is the most appropriate for the site.

Before DTSC makes a final decision to approve, modify or deny a draft RAW, it is made available for public review and comment during a public comment period. All comments received during the public comment period are reviewed and considered before a final decision is made by DTSC.

## Proposed Cleanup Options

The following four cleanup options will be considered for the lead contaminated soil:

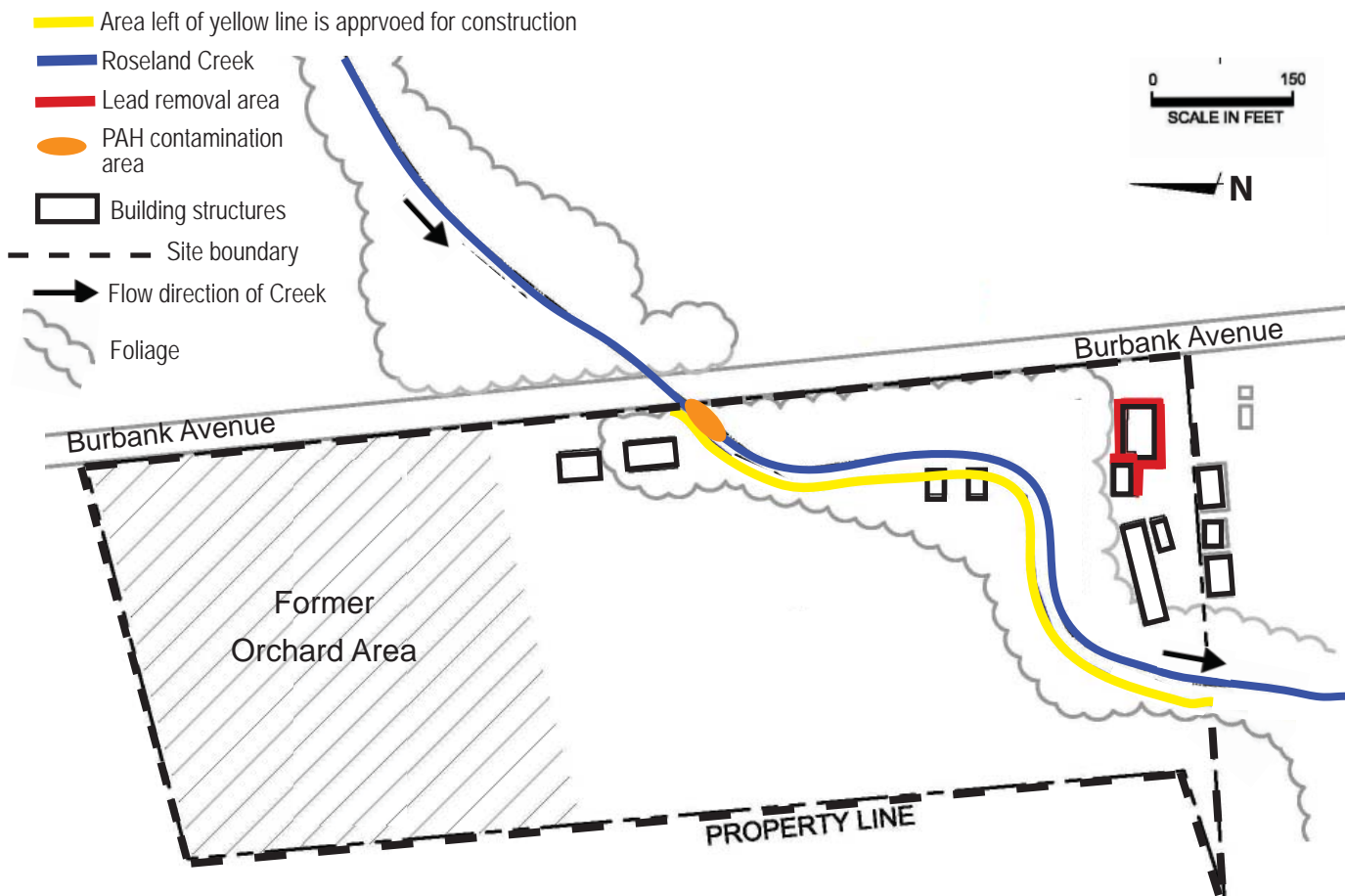



Alternative 1 involves “No Further Action”. This alternative means no cleanup activities would occur.




Alternative 2 involves “Treatment”. This alternative may use solidification/stabilization, soil washing, and acid extraction technologies to treat the lead contaminated soil.


## New Roseland Area Elementary School Site Map





 Alternative 3 involves “Institutional Controls and Onsite Containment (Capping)”. This alternative would cap the contaminated soil on Site to prevent direct contact with the contamination, and include monitoring and maintenance of the cap through periodic Operations and Maintenance activities.

 Alternative 4 involves “Removal and Offsite Disposal”. This alternative involves removing lead contaminated soil from the Site, disposal of the lead contaminated soil at an appropriate waste handling facility, and using clean soil or other fill material to backfill the areas where the contaminated soil was removed.

The following three cleanup options will be considered for the elevated PAH levels in Roseland Creek:

 Alternative 1 involves “No Further Action”. This alternative means no cleanup activities would occur.

 Alternative 2 involves “Fencing and Long-term Operations and Maintenance”. This alternative involves installing a fence to restrict the public from entering Roseland Creek. Operations and Maintenance activities would include annual inspections and repair of the fence as needed.

 Alternative 3 involves acceptance of the Schools-based risk scenario and application of a “Land Use Covenant (LUC)” to restrict land use for the Site. This alternative would restrict the Site to non-residential use only. This alternative assumes that the Site will continue to be operated as a school, and that changes in future Site use would require re-evaluation of the PAH issue in Roseland Creek.

### DTSC’s Cleanup Recommendations

DTSC recommends that the lead contaminated soil be addressed by removing and transporting approximately 40 cubic yards (about 4 truck loads) of lead contaminated soil from around the building structures to a proper disposal facility (Alternative 4).



Clean soil from within the existing Site would be used to replace the contaminated soil that was removed. If approved, field work activities for the soil removal and backfill would take about one week to complete.

To address the PAHs sediment contamination in Roseland Creek, DTSC recommends restricting the Site with a LUC (Alternative 3).

In addition, local Sonoma County agencies, in cooperation with the North Coast Regional Water Quality Control Board (RWQCB), DTSC, and the District, will be initiating a cleanup project for Roseland Creek. The District will also be addressing the source of the Roseland Creek contamination in their school construction plans. Part of the District's construction plans will involve redesigning the Burbank Avenue roadway to reduce storm water runoff from the roadway into Roseland Creek. The LUC will remain effective in perpetuity, or until the creek cleanup project is completed by the local agencies.

### **Safety & Dust Control during the Soil Cleanup**

The following actions will be implemented during the soil removal process to ensure public safety and minimize dust:

- Installing windscreens on existing fencing for security and dust control, if necessary
  - Driving all vehicles at slow speeds while on the property
  - Spraying of work areas with clean water to control dust
  - Securing trucks carrying soil with covers before they leave the Site
  - Truck tires and undercarriages will be checked before entering the site and cleaned to remove soils and debris before leaving the Site
  - Monitoring the air at the Site to ensure the amount of dust stays at safe levels
- Exit onto Burbank Avenue and travel south to Hearn Avenue
  - Trucks will turn left onto Hearn Avenue and travel east towards Colby Avenue
  - Trucks will turn right onto Colby Avenue and then left onto 101 south
  - Trucks will travel south on 101 toward San Rafael
  - Trucks transporting soil determined to be non-hazardous waste will travel from 101 south to a proper Class II disposal facility in Livermore, California; Trucks transporting soil determined to be hazardous waste will travel from 101 south to a proper Class I disposal facility in Kettleman City, California.



*Truck tires and undercarriages will be cleaned, in a similar way as the above image, to remove soil and debris before leaving the Site.*

### **Truck Route**

About 4 trucks will transport the lead contaminated soil to a State-licensed disposal facility. The trucks will be operated by a licensed hazardous waste trucking contractor and will travel Monday through Friday between the hours of 7 a.m. and 6 p.m. Trucks exiting the property will:

## California Environmental Quality Act – Notice of Exemption

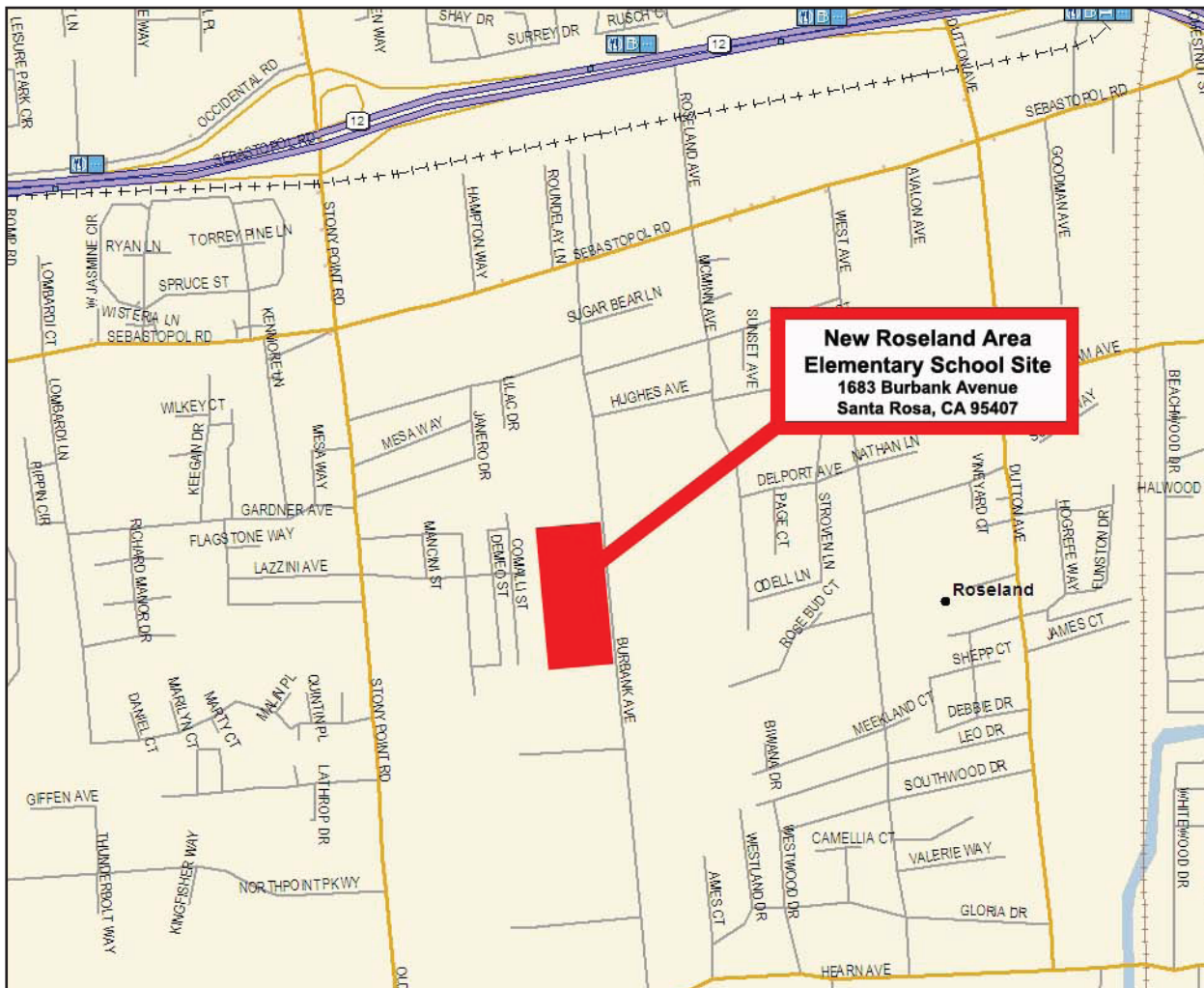
In compliance with the California Environmental Quality Act (CEQA), DTSC has prepared a draft Notice of Exemption (NOE) for this project. The draft NOE states that this removal action is exempt from CEQA due to the small quantity of contaminated soil and will not have significant impacts on the environment. The draft NOE is available for public review, along with other supporting documents.

### Next Steps

The public has an opportunity to review and comment on the proposed draft RAW during a 30-day public comment period. The 30-day public comment period begins on November 3, 2008 and ends on December 5, 2008. A public meeting will

be considered if a request identifying the issues to be raised is made to Chao Thao by November 14, 2008.

DTSC will consider all comments received during the comment period before making a final decision on approving, modifying, or denying the draft RAW. Once a decision has been made, DTSC will prepare a “Response to Comments” document that explains how public comments were considered and how they were, or were not, incorporated into the final cleanup decision for the Site. All individuals who submitted comments or questions will be sent a copy of the “Response to Comments” document. A copy of the “Response to Comments” document will also be available at the Information Repositories.



### **Information Repositories**

The draft RAW, draft NOE, and other site-related reports are available at the Information Repositories listed below:

#### **Santa Rosa Central Library**

211 E Street  
Santa Rosa, California 95404  
(707) 545-0831  
(Please call for hours.)

#### **Roseland School District**

1934 Biwana Drive  
Santa Rosa, California 95407  
(707) 545-0102 ext 217  
(Please call for hours.)

The full Administrative Records is located at:

#### **DTSC File Room**

8800 Cal Center Drive  
Sacramento, California 95826  
(916) 255-3779  
(Please call for an appointment.)

### **Website Information**

The draft RAW and draft NOE are available for review online at [www.envirostor.dtsc.ca.gov/public/](http://www.envirostor.dtsc.ca.gov/public/). Enter Santa Rosa for the city and click “Get Report.” Find “New Roseland Area Elementary School” and click “Report”. This will take you to DTSC’s database, click on “Community Involvement” to find the draft RAW, draft NOW and other documents related to the Site.

### **For More Information**

For questions regarding the draft RAW, please contact:

Mr. Neal Hutchison  
DTSC Project Manager  
Brownfields and Environmental Cleanup Program  
8800 Cal Center Drive  
Sacramento, California 95826  
(916) 255-4369  
[HHutchis@dtsc.ca.gov](mailto:HHutchis@dtsc.ca.gov)

For questions regarding the public participation process, please contact:

Ms. Chao Thao  
DTSC Public Participation Specialist  
8800 Cal Center Drive  
Sacramento, California 95826  
(916) 255-3649 or toll-free at (866) 495-5651  
[CThao@dtsc.ca.gov](mailto:CThao@dtsc.ca.gov)

For media inquiries, please contact:

Ms. Claudia Loomis  
DTSC Public Information Officer  
8800 Cal Center Drive  
Sacramento, California 95826  
(916) 255-6578  
[CLoomis@dtsc.ca.gov](mailto:CLoomis@dtsc.ca.gov)

### **Notice to Hearing Impaired Individuals**

TDD users can obtain information about the New Roseland Area Elementary School Site by using the California State Relay Services at (888) 877-5378. Please ask to speak with Ms. Chao Thao, DTSC Public Participation Specialist, at (916) 255-3649.

### **Anuncio**

Si desea información en Español, comuníquese con Jesús Cruz, Especialista en Participación Pública al (916) 255-3315 o Gratis 1 (866) 495-5651.

## COMMENT FORM

If you have any comments concerning the draft Removal Action Workplan for the New Roseland Area Elementary School Site please fill out the information below and mail by December 5, 2008. Please include your name and address if you wish to receive a copy of the written Response to Comments. Also, please provide your name and address if you would like to be added to or removed from the New Roseland Area Elementary School Site mailing list. **Comments must be received by December 5, 2008.** Send your comments to:

Mr. Neal Hutchison, DTSC Project Manager  
8800 Cal Center Drive, Sacramento, California 95826  
(916) 255-4369 or by e-mail to [HHutchis@dtsc.ca.gov](mailto:HHutchis@dtsc.ca.gov)

### ARE YOU ON DTSC's MAILING LIST?

- ☐ Please add me to the New Roseland Area Elementary School Site mailing list.  
☐ Please take me off the New Roseland Area Elementary School Site mailing list.

Note: While the mailing list is solely for DTSC to keep you informed of our activities, the list is considered a public record and, if requested, may be subject to release.

Please print name and address clearly.

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City/State/Zip: \_\_\_\_\_

Phone (optional): \_\_\_\_\_ E-mail (optional): \_\_\_\_\_

Comments (*attach additional pages if needed*):

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Note: Your comments will be considered a public record for this site and, if requested, may be subject to release.